

Version: 02

Update (MM/DD/YYYY): 01/23/2025

MATERIAL SAFETY DATA SHEET

(MSDS)

SECTION 1. Identification of the substance/preparation and company

1.1 Product Name: AmMag™ Quatro Low-Endotoxin Plasmid Purification Mini Kit

1.2 Model No: L01037-48

1.3 Recommended Use: For automated purification of plasmids in the laboratory

1.4 Applicant Name: Nanjing Genscript Biotech Co., Ltd.

1.5 Applicant Address: No.28, Yongxi Road, Jiangning District, Nanjing, Jiangsu Province

1.6 Manufacturer Name: Nanjing Genscript Biotech Co., Ltd.

1.7 Manufacturer Address: No.28, Yongxi Road, Jiangning District, Nanjing, Jiangsu Province

1.8 Manufacturer Tel/Fax: 400-025-8686 ext 5810 or 5256

1.9 Manufacturer Email: /

1.10 Emergency Phone: /

SECTION 2. Hazards identifications

2.1 Hazard Classification of substance or mixture (GHS):

Acute toxicity, oral category 4

Skin corrosion/irritation category 2

Serious eye damage/eye irritation category 2

2.2 Pictograms:



2.3 Signal word:

Warning

2.4 Hazard description:

H302: Harmful if swallowed

H315: Causes skin irritation

H319: Causes serious eye irritation

2.5 Precautionary description:

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264+P265: Wash hands and other parts of the body (if related) thoroughly after handling. Do not touch eyes.

SECTION 3. Composition/information on ingredients

Substance/mixture: Mixture

Substance name	Conc. (%)	CAS No.
Sodium hydroxide	$\geq 0.10 - \leq 1$	1310-73-2
Acetic acid	$\geq 19 - \leq 22$	64-19-7

SECTION 4. First aid measures

General advice: Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

4.1 Following eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

4.2 Following skin contact:

Take off contaminated clothing and shoes immediately. Wash off with plenty of soap and water for at least 15 minutes and consult a physician if feel uncomfortable.

4.3 Following inhalation:

Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.

4.4 Following ingestion:

Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

SECTION 5. Firefighting measures

5.1 Special hazards arising from the substance or mixture:

Development of hazardous combustion gases or vapor possible in the event of fire.
 May expansion or decompose explosively when heated or involved in fire.

5.2 Extinguishing Media:

There is no restriction on the type of extinguisher which may be used.

5.3 Advice for firefighters:

As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
 Fight fire from a safe distance, with adequate cover.
 Prevent fire extinguishing water from contaminating surface water or the ground water system.

5.4 Hazardous combustion products:

No data available.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment, do not breathe gas/mist/vapor/spray.

Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.

Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so.

Discharge into the environment must be avoided.

6.3 Cleaning method:

Cut off the source of the leak as much as possible.

Keep leaks in a ventilated place.

Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.

Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container.

SECTION 7. Handling and storage

7.1 Handling Notes:

Handling is performed in a well-ventilated place.

Wear suitable protective equipment.

Avoid contact with skin and eyes.

Keep away from heat/sparks/open flames/ hot surfaces.

7.2 Storage Notes:

Keep containers tightly closed.

Keep containers in a dry, cool and well-ventilated place.

Keep away from heat/sparks/open flames/hot surfaces.

Store away from incompatible materials and foodstuff containers.

SECTION 8. Exposure controls / personal protection

8.1 Occupational Exposure Limit:

No information found

8.2 Engineering Control:

Ensure adequate ventilation, especially in confined areas.

Ensure that eyewash stations and safety showers are close to the workstation location.

Use explosion-proof electrical/ventilating/lighting/equipment.

Set up emergency exit and necessary risk-elimination area.

8.3 Respiratory Protection:

Must wear appropriate personal respiratory protective equipment.

8.4 Eyes Protection:

Must wear appropriate safety goggles.

8.5 Hands Protection:

Must wear appropriate chemical protective gloves.

8.6 Skin and body protection

Must wear appropriate chemical protective clothing and chemical resistant shoes.

SECTION 9. Physical and chemical properties

Appearance and Color	Colorless/black liquid
Odor	Weak odor
PH value	No Data
Flammability	Non flammable
Flash point (°C, Closed cup)	No Data
Boiling point (°C)	No Data
Freezing point (°C)	No Data
Density (g/cm³)	No Data
Relative steam density (air =1)	No Data
Vapor pressure (mPa)	No Data
Octanol/water partition coefficient	No Data
Viscosity (mPa/s)	No Data
Evaporation rate (kg/s)	No Data
UEL %(V/V)	No Data
LEL %(V/V)	No Data
Auto-ignition temperature (°C)	No Data
Decomposition temperature (°C)	No Data
Solubility	Partly dissolved with water

SECTION 10. Stability and reactivity

10.1 Stability:

Stable under recommended storage and handling conditions (See section 7).

10.2 Material for avoiding:

Strong oxide, acid and alkali.

10.3 Contact conditions for avoiding:

High temperature.

10.4 Hazardous decomposition products:

No data available.

SECTION 11. Toxicological information

11.1 Acute toxicity:

No information found.

11.2 Skin corrosion/irritation:

Causes severe skin burns.

11.3 Serious eye damage/irritation:

Causes serious eye damage.

11.4 Respiratory or skin sensitization:

No information found.

11.5 Germ cell mutagenicity:

No information found.

11.6 Carcinogenicity:

No information found.

11.7 Reproductive toxicity:

No information found.

11.8 STOT-single exposure:

No information found.

11.9 STOT-repeated exposure:

No information found.

11.10 Aspiration hazard:

No information found.

SECTION 12. Ecological information**12.1 Ecotoxicity:**

No data available.

12.2 Persistence and degradability:

No data available.

12.3 Bio-accumulative potential:

No data available.

12.4 Mobility in soil:

No data available.

12.5 Other adverse effects:

No data available.

SECTION 13. Disposal considerations**13.1 Handling method for waste:**

Handling waste according to the local regulations. Contact specific waste disposal company or companies recommended by local laws.

13.2 Handling method for uncleaned packaging:

According to official regulations.

SECTION 14. Transport information**14.1 Transporting Label:**

Not applicable

14.2 IMDG-CODE:

Not regulated for transport of dangerous goods

14.3 ICAO/IATA-DGR:

The product is not subject to IATA DGR

14.4 UN-ADR:

Not regulated for transport of dangerous goods

Attention Notes: Gentle with, prevent collision drag and dump. Prohibition with antioxidant and chemical mixed stowage, transit should prevent sun、fire、rain and high temperature.

SECTION 15. Regulatory information

Hazardous chemicals catalog

International maritime dangerous goods code

Dangerous Goods Number of United Nations

Technical Instructions for the Safe Transport of Dangerous Goods by Air

Classification and code of dangerous goods

Occupational Safety and Health Act (OSHA)

The principle of classification of transport packaging groups of dangerous goods
Globally Harmonized System of Classification and Labelling of Chemicals
In accordance with all local laws.

SECTION 16. Other information

Disclaimer

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